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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/725,213	12/01/2003	Christopher R. Powers	P00513-US-02 (15859.0053)	4470
7590 01/27/2005			EXAMINER	
Alexander D. Forman ICE MILLER One American Square Box 82001 Indianapolis, IN 46282-0002			ABRAMS, NEIL	
			ART UNIT	PAPER NUMBER
			2839	
DATE MAILED: 01/27/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

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<b>Office Action Summary</b>	<b>Application No.</b> 10/725,213	<b>Applicant(s)</b> POWERS	
	<b>Examiner</b> Neil Abrams	<b>Art Unit</b> 2839	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-32 are rejected.
- 7) ☒ Claim(s) 1-32 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

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Parent case paragraph, patent no. when known must be added.

Abstract, --- line 5, after features,---which may include partial spheres--- should be added.

References of record in parent case have been considered.

Applicant also asked if any of these documents, publications in particular, to their best knowledge, include alignment protrusions as recited in claim 1.

Claims 1, 2, 4-11, 14-17, 24-27, 29-31 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Takano 5558543 alone or in view of Takano 5082452.

Takano 543, fig. 1 depicts a bulb socket with terminals 7 having first and second terminal surfaces at 5 each with prongs and protruding ribs (bumps) 7a readable as alignment features.

Claims 2, 4-10, 14-17, 29-31 all met by Takano so applied. For claim 11 a cover plate is shown to join the terminal surfaces 5. For all claims, should issues arise, recited features considered obvious variations. For claims 15, 16 the ribs 7a would help to align the terminals in a manner comparable to that resulting from applicants bumps

For claims 1, 14, 29,  
46. Should the matter be at issue, obvious to form the Takano 543 ribs to extend  
"outward" as do those of Takano<sup>452</sup> at 28, fig 29 for better heat transfer.

Claims 12, 13, 18-23 and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Alloway in view of Takano<sup>543</sup> and<sup>452</sup> and Okabe.

Alloway includes a lamp socket with terminal 16 having terminal surfaces prongs and a cover 30 with a terminal lead (wire 28) extending from the cover. Alloway lacks

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alignment features (bumps). Obvious to add ribs in view of Takano, both, at 7a and 28 to increase resiliency. These bumps would serve as alignment features just as would applicant bump 46. For claim 21, Alloway, fig. 3, obvious to fill region above cover 30 with epoxy in view of Okabe at 5. This would help to protect the terminal to wire connections from oxidation

Claims 1-3, 14, 27 and 28 are rejected as unpatentable 35 USC 103 over Savage in view of Barkus.

*see figs 6, 27,*  
Savage shows a lamp socket with terminals, but which do not include alignment features (partial spheres). Obvious to replace Savage contacts with ones like those of Barkus, figs 1, 2, 3 with bumps, *prongs 24 and* (partial spheres) 42 on both sides to allow self alignment of the terminals. *The prongs enable resilient engagement to lamp pins. Change of one contact for equivalent considered obvious.*

Any inquiry concerning this communication should be directed to Neil Abrams at telephone number (571)272-2089.

Abrams/ds

01/24/05

*Neil Abrams*  
NEIL ABRAMS  
EXAMINER  
ART UNIT 322